

Title (en)

Expandable implant for vascular embolization and method of making the same

Title (de)

Ausdehnbares Implantat zur vaskulären Embolisation, sowie Verfahren zu dessen Herstellung

Title (fr)

Implant expansible pour l'embolisation vasculaire et méthode pour le fabriquer

Publication

EP 1693009 A2 20060823 (EN)

Application

EP 06111123 A 19990702

Priority

- EP 99930869 A 19990702
- US 11081698 A 19980706

Abstract (en)

A vascular implant formed of a compressible foam material has a compressed configuration from which it is expandable into a configuration substantially conforming to the shape and size of a vascular site to be embolized. Preferably, the implant is formed of a hydrophilic, macroporous foam material, having an initial configuration of a scaled-down model of the vascular site, from which it is compressible into the compressed configuration. The implant is made by scanning the vascular site to create a digitized scan data set; using the scan data set to create a three-dimensional digitized virtual model of the vascular site; using the virtual model to create a scaled-down physical mold of the vascular site; and using the mold to create a vascular implant in the form of a scaled-down model of the vascular site.

IPC 8 full level

A61B 17/12 (2006.01); **A61B 19/00** (2006.01); **A61F 2/02** (2006.01); **A61L 31/14** (2006.01); **A61L 31/18** (2006.01)

CPC (source: EP US)

A61B 17/12022 (2013.01 - EP US); **A61B 17/12113** (2013.01 - EP US); **A61B 17/12186** (2013.01 - EP US); **A61B 17/1219** (2013.01 - EP US); **A61B 34/10** (2016.02 - EP US); **A61L 31/145** (2013.01 - EP US); **A61L 31/146** (2013.01 - EP US); **A61L 31/18** (2013.01 - EP US); **B33Y 50/00** (2014.12 - EP US); **B33Y 80/00** (2014.12 - EP US); **A61B 2017/00526** (2013.01 - EP US); **A61B 2017/1205** (2013.01 - EP US); **A61F 2/06** (2013.01 - US); **A61L 2430/36** (2013.01 - EP US); **Y10S 623/901** (2013.01 - EP US); **Y10S 623/903** (2013.01 - EP US); **Y10T 29/49** (2015.01 - EP US)

Citation (applicant)

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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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DOCDB simple family (application)

US 9915108 W 19990702; AT 99930869 T 19990702; AU 4731299 A 19990702; BR 9911860 A 19990702; CA 2335822 A 19990702; CN 200710141120 A 19990702; CN 99808315 A 19990702; DE 69930385 T 19990702; EP 06111123 A 19990702; EP 99930869 A 19990702; ES 99930869 T 19990702; JP 2000557758 A 19990702; JP 2009001676 A 20090107; US 11081698 A 19980706; US 30944202 A 20021204; US 32003302 A 20021216; US 33752008 A 20081217; US 73007100 A 20001205; US 73369707 A 20070410; US 87790610 A 20100908